ASHOK IT
Learn Here.. Lead Anywhere..!!

1. **What is the output ?**

```java
 Demo.java
 1 package in.ashokit;
 2
 3 public class Demo {
 4
 5⊖     public static void main(String[] args) {
 6         int i = test();
 7         System.out.println(i);
 8     }
 9
10⊖     static int test() {
11         int i = 10, j;
12         return j = i++ + --i + ++i + ++i;
13     }
14
15 }
16
```

2. **What is the output ?**

```java
public class Demo {

    static void test() {
        int m = 100;
        return m;
    }

    public static void main(String[] args) {
        System.out.println(test());
    }
}
```

3. **What is the output ?**

```java
 Demo.java
 1 package in.ashokit;
 2
 3 public class Demo {
 4
 5⊖     public static void main(String[] args) {
 6         System.out.println("Hello World!");
 7     }
 8
 9⊖     static {
10         System.out.println("I am from static");
11     }
12
13⊖     static void test() {
14         System.out.println("from test()");
15     }
16 }
17
```

4. What is the output ?

```java
public class Demo {

    public static void main(String[] args) {
        System.out.println("Hello World!");
        test();
    }

    void test() {
        System.out.println("Hi...i am test() method");
    }
}
```

5. What is the output ?

```java
 3 public class Demo {
 4
 5     {
 6         System.out.println("hello i am IB");
 7     }
 8
 9     public static void main(String[] args) {
10         System.out.println("you are most welcome");
11     }
12
13     static {
14         System.out.println("hi i am SB");
15     }
16 }
```

6. What is the output ?

```java
 3 public class Demo {
 4
 5     {
 6         System.out.println("Good");
 7     }
 8
 9     public static void main(String[] args) {
10         Demo d = new Demo();
11         System.out.println("welcome");
12     }
13
14     static {
15         System.out.println("How are you");
16     }
17
18 }
```

7. What is the output ?

```java
3  public class Demo {
4      void test() {
5          System.out.println("We are best friends");
6      }
7
8      public static void main(String[] args) {
9          Demo d = new Demo();
10         System.out.println("I am main() method");
11         d.test();
12     }
13
14     static {
15         System.out.println("I am SB");
16     }
17     {
18         System.out.println("I am IB");
19     }
20
21 }
```

8. What is the output ?

```java
3  public class Demo {
4
5      static Demo test() {
6          return new Demo();
7      }
8
9      public static void main(String[] args) {
10         Demo d = new Demo();
11         d.test1();
12     }
13
14     void test1() {
15         System.out.println("Success");
16     }
17
18 }
19
```

9. What is the output ?

```java
3 public class Demo {
4
5     int i;
6
7     static void test1(int x) {
8         x = 10;
9     }
10
11     static void test2(Demo d1) {
12         d1.i = 20;
13     }
14
15     public static void main(String[] args) {
16         Demo d1 = new Demo();
17         d1.i = 30;
18         System.out.println("A:" + d1.i);
19         Demo d2 = new Demo();
20         test1(d1.i);
21         System.out.println("B:" + d1.i);
22         test2(d1);
23         System.out.println("C:" + d1.i);
24     }
25
26 }
```

10. What is the output ?

```java
3 public class Demo {
4
5     int i;
6
7     static Demo test() {
8         Demo t1 = new Demo();
9         return t1;
10     }
11
12     public static void main(String[] args) {
13         Demo obj = test();
14         System.out.println(obj.i);
15     }
16 }
17
```

11. What is the output ?

```java
class A1 {
    A1() {
        System.out.println("I am constructor");
    }

    public static void main(String[] args) {
        A1 a1 = new A1();
        System.out.println("Success");
    }
}
```

12. What is the output ?

```java
class B1 {
    B1() {
        System.out.println("I am constructor");
    }

    public static void main(String[] args) {
        System.out.println("Success");
    }
}
```

13. What is the Output ?

```java
class C1 {
    C1() {
        System.out.println("hey I availble in hyd");
    }

    public static void main(String[] args) {
        C1 obj = new C1();
        System.out.println("Success");
    }

    static {
        System.out.println("I am first");
    }
}
```

14. What is the Output ?

```java
class B {

    B(int i) {
        System.out.println("I can overload");
    }

    public static void main(String[] args) {
        B b1 = new B();
        System.out.println("Hello World!");
    }

    {
        System.out.println("From IIB");
    }
}
```

15. What is the Output ?

```java
1  class D {
2      D(int i) {
3          System.out.println("hi");
4      }
5
6      D(int i, int j) {
7          System.out.println("hello");
8          System.out.println("success");
9      }
10
11     public static void main(String[] args) {
12         D d2 = new D(10);
13     }
14 }
```

16. What is the output ?

```java
class E {
    E(int i) {
        System.out.println("winter started");
    }

    E(int i, int j) {
        this();
        System.out.println("Yes, started");
    }

    public static void main(String[] args) {
        E obj = new E(10, 10);
    }
}
```

17. What is the output ?

```java
class N {
    N() {
        System.out.println("N()");
    }

    N(int i) {
        this();
        System.out.println("N(int)");
    }

    public static void main(String[] args) {
        N n1 = new N();
        System.out.println("=============");
        N n2 = new N(10);
        System.out.println("============");
    }
}
```

18. What is the Output ?

```java
class U {
    U() {
        this(10);
        System.out.println("U()");
    }

    U(int i) {
        this();
        System.out.println("U(int)");
    }

    public static void main(String[] args) {
        U u1 = new U();
        System.out.println("Success");
    }
}
```

19. What is the Output ?

```java
1  class T {
2      T() {
3          System.out.println("T()");
4      }
5
6      T(int i) {
7          T t1 = new T();
8          System.out.println("T()");
9      }
0
1      public static void main(String[] args) {
2          T obj1 = new T();
3          System.out.println("-------------");
4          T obj2 = new T(10);
5          System.out.println("------------");
6      }
7  }
```

20. What is the Output ?

```java
class R {
    R() {
        System.out.println("R()");
    }

    R(int i) {
        System.out.println("R(int)");
        this();
    }

    public static void main(String[] args) {
        R r1 = new R(10);
        System.out.println("Success");
    }
}
```

ANSWER KEY

1) 43   2) CTE

3)

I am from static

Hello World!

4) CTE

5)

hi i am SIB

you are most welcome

6)

How are you

Good

welcome

7)

I am SIB

I am IIB

I am main method()

We are best friends

8) Success

9)

A:30

B:30

C:20

10) 0

11)

I am constructor

success

12) success

13)

I am first

hey I am available in hyd

success

14) CTE

15) hi

16) CTE

17)

N()

=========

N()

N(int)

=========

18) CTE

19)

T()

T()

T()

----

20) CTE